

MONEV, G.S.; KARHANOV, S.G.; RASHEVA, Ye.G.

Determination of germanium in tars and oils obtained in tar distillation.
Zhur.anal.khim. 17 no.8:945-948 N '62. (MIRA 15:12)

1. Nauchno-issledovatel'skiy institut khimicheskoy promyshlennosti
Sofiya, Bolgariya.
(Germanium—Analysis) (Tar oils)

RASHEEV, DIMITR N.

Direct current reciprocating motors and the regulation of the periods of rotation. Stalin,
Nauka i iskustvo, 1950. 12 p. (55-17645)

TK2681.R3

1. Electric motors, Direct current.

RASHEEV, DIMITUR N.

Rasheev, Dimitur N. Grafo-analiticheski metod za opredeliane zhubata na naprezhenieto v aktivnoreaktivno suprotivlenie pri promenliviiia tok i prilozheniata na toia metod. Sualin, Nauka i izkustvo, 1950 48 p. (Grapho-analytical method for determining the loss of tension in the active-reactive resistance of alternating current)

SO: Monthly List of East European Accessions, L C. Vol 3 No. 1 Jan. '54 Uncl.

RASHKEV, D.

Fast and simple method for determining the percentage of the mechanical load and
the cosine phi of three-phase asynchronous motors. p. 10.
ELEKTROENERGIIA, Sofiya, Vol. 6, no. 2, Feb. 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

RASHOV, D.

Rashov, D. Fast and simple method for determining the percentage of the mechanical load and the cosine phi of three-phase asynchronous motors. p.10.

SO: Monthly List of East European Accessions. (SEAL), LC. Vol. 4, no. 10, Oct. 1955. Uncl.

RASHEEV, N.

"Mining and Metallurgy in Norway", P. 52, (MINNO DELO, Vol. 9, No. 1,
Jan. 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EFAL), LC, Vol. 4, No. 1,
Jan. 1955, Uncl.

RASHEEV, N.

NON-METALLIC MINERALS. Minno Delo (Mining), #12:Dec 51:

RASHEEV, N.

Reducing the Expenditure of Wood Material in Ore Mines. Minno Delo
(Mining), #12:28:Dec 54

RASHEEV, N.

Some Questions Relative to Working Systems of Ore Mining in Our Country.
Minno Delo (Mining), #5:67: Sept-Oct 55

RASHEV, N.; MALINOV, KH.

RASHEV, N.; MALINOV, KH. Mechanization of production in the Evreys Copper
Mines. p. 65.

Vol. 11, No. 5, Sept./Oct. 1956.

MINNO DELO
TECHNOLICCY
Sofia, Bulgaria

See: East European Accession, Vol. 6, No. 3, March 1957

RASHESV, V.

"A book on the condition of the boring work in Bulgaria; a review."

p. 88 (Mimo Delo, Vol. 13, no. 2, 1953, Sofia, Bulgaria)

Monthly Index of East European Acquisitions (EMI) IC, Vol. 7, no. 9,
September 1958

RASHEEV, N.

TECHNOLOGY

Periodical: MINNO DELO. Vol. 13, no. 4, July/Aug. 1958.

RASHEEV, N. Concerning the coefficient of safety of the mine-lifting ropes.
p. 65.

Monthly List of East European Accession (EEAI), LC., Vol. 8, no. 2,
February 1959, Unclass.

RASHEEV, K.

"Effect of the drilling-with-explosives work and the operational exhaustion
on the net cost of concentrates."

MINNO DELO, Sofia, Bulgaria; Vol. 14, No. 1, Jan./Feb., 1959

Monthly list of EAST EUROPEAN ACCESSIONS INDEX (EEAI), Library of Congress,
Vol. 8, No. 2, August, 1959

Unclassified

KOZHANOV, M.G.; RASHEVICH, A.Ya.; KAZAKOV, A.I.; KULAKOV, A.M.

Washing the regenerator checkerwork of large-capacity open-hearth furnaces. Metallurg 6 no. 1:17-18 Ja '61. (MIRA 14:1)

1. Magnitogorskiy metallurgicheskiy kombinat.
(Open-hearth furnaces—Maintenance and repair)

RASHKEVICH, N.A.

Winter ornithofauna of river bottomland forests of the Kara-Kaplak
A.S.S.R. Ornitologija no.4:348-353 '62. (MIRA 16:4)
(Kara-Kalpak A.S.S.R.—Birds)

RASHEVITS, K. [Rasevics, K.] (Riga)

Output and charge capacity utilization coefficient of iron-nickel
accumulator. Vestis Latv ak no.11:73-80 '60.
(EEAI 10:9).

1. Akademija nauk Latvijskoy SSR, Institut energetiki i elektro-
tekhniki.

(Storage batteries) (Iron) (Nickel)

S/196/62/000/012/C04/016
E194/E155

AUTHOR: Rashevits, K.K.

TITLE: A regulator for automatic charging of accumulators

PERIODICAL: Referativnyy zhurnal, Elektrotehnika i energetika,
no.12, 1962, 9, abstract 12 A43. (Tr. In-ta energ. i
elektrotekhn. AN Latv.SSR, v.11, 1961, 129-134)

TEXT: Often the best way of charging lead-acid accumulators
is at constant voltage. The battery is first charged at a constant
rate of current to a voltage of 2.4-2.5 V, i.e. until gassing
becomes intensive, and then with constant voltage and gradually
diminishing current. This makes the greatest use of the output of
the charging set at the start of charge and gives rapid charge of
the accumulators. The further charging at constant voltage gives
minimum gas evolution and avoids overheating the battery.
Diminishing current conditions are best for charging alkali nickel-
iron accumulators: their voltage alters little and therefore it
is best to operate with constant rate of gas evolution. A
regulator was developed for this purpose. It consists of a pick-up
responding to the rate of evolution of gas, a non-linear unit, an

Card 1/2

PESHKOVA, V.M.; SHLENSKAYA, V.I.; RASHEVSKAYA, A.I.

Colorimetric determination of palladium with the aid of oximes.
Izv.Sekt.plat.i blag.met. no.32:61-74 '55. (MLR 9:5)
(Colorimetry) (Palladium) (Oximes)

USSR/Analytical Chemistry - Analysis of Inorganic Substances, G-2

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61848

Author: Peshkova, V. M., Shlenskaya, V. I., Rashevskaya, A. I.

Institution: None

Title: Colorimetric Determination of Palladium with Oximes

Original

Periodical: Izv. Sektora platiny IONKh AN SSSR, 1955, No 32, 61-74

Abstract: Compounds of Pd with dimethylglyoxime (I), methylglyoxime (II) and salicylaldoxime (III) are dissolved in nonaqueous solvents. Yellow solutions of Pd compounds with II or III in C₆H₆ or CHCl₃ have high values of molar coefficient of light absorption which renders them convenient for photometric determination of Pd without preliminary separation of the associated elements. The oximates are extracted at pH 1-4 in the presence of excess II and III. In lieu of III there can be added to the solution of Pd salt, with the same result, successively salicylic aldehyde (IV) and then hydroxylamine (V) although on simply mixing IV and V, in the absence of Pd, III is not formed.

Card 1/2

Rashevskaya, A.I.

Determination of palladium by means of oximes. V. M. Peleshkova, V. I. Shilenskaya, and A. I. Rashevskaya. Zhurnal Russkogo Khimicheskogo Sojedineniya, No. 9, 83-90 (1964).—Methylglyoxime (I) and salicylaldehyde oxime (II) are suitable for colorimetric detn. of Pd in solns. of pure salts and in the presence of other elements. Usizym, methylglyoxime is the more satisfactory reagent. I-Pd complex in Cl_3CH_2 or C_6H_5 yields solns. of yellow color, with max. color developed at pH 7. Molar extinction coeffs. of I-Pd complex are 1400 in C_6H_5 , CHCl_3 , and PhCl , 1200 in PhBr , and 1800 in CCl_4 . The max. light absorption is in the ultraviolet. The solns. follow the Lambert-Beer Law with 0.03-0.15 mg. Pd/10 ml. In a soln. contg. only Pd; heat (2-3 ml.) with 0.5 ml. 0.1% I, 2-3 ml. acetate buffer (pH 4) and 5 ml. C_6H_5 ; after 3 min. agitation remove the aq. layer, treat with 5 ml. C_6H_5 and stir 3 min.; combine the org. layers, then measure in a photometer at 427 m μ . The detn. is satisfactory in the presence of much

Pt(IV). Ir(IV) interferes, because its complex is partially extd. by C_6H_5 ; hence it should be reduced by $\text{NH}_2\text{OH}\cdot\text{HCl}$ until a green color develops, after which the above procedure can be used. Co and Ni do not interfere, but the simultaneous presence of Ir, Ni, and Co gives low results. The gravimetric method for Pd with II (cf. Holzer, C.A. 28, 1627*) requires washing the product with a satd. soln. of the complex; EtOH cannot be used owing to the solv. of the ppt. in it. The C_6H_5 solvent can be augmented by PhBr or Me_2CO to get a more intense color. The C_6H_5 soln. has an absorption max. in the ultraviolet and the color is sensitive to 3 γ Pd/ml. For the detn. a weakly acid soln. of Pd is used, which is treated with pH 4 buffer and C_6H_5 , followed by a 3-fold excess of 1% soln. of II; 3 extns. with C_6H_5 are advised. Ni and Co do not interfere, nor does Pt(IV) but Ir(IV) causes difficulties, as with I. In the action of II on mixed salts of Pd and Ir, the soln. gradually loses color owing to reduction of Ir(IV). This permits a relatively accurate detn. of Pd in the presence of Ir(IV) and simultaneous presence of Ir and Pt (relative error less than 5%). Similar accuracy is possible for detn. of 0.2-0.3 mg. Pd in the presence of 10-fold excess of Pt, Ir, Co, Ni, and Fe(III); with smaller amts. of Pd, the accuracy declines to 10-18%. G. M. Kosolapoff

RASHEVSKAYA, A. I.

PUSHKOVA, V.M.; SHIBENSKAYA, V.I.; RASHEVSKAYA, A.I.

On the problem of determining palladium by oximes. Vest. Mosk.
un. 9 no.5:83-90 My '54. (MIRA 7:7)

1. Kafedra analiticheskoy khimii.
(Palladium) (Oximes)

RASHEVSKAYA, A. [M.]

USSR/Medicine - Silicosis
Medicine - Blood, Chemistry

Oct 48

"Some Changes in the Blood Due to Silicosis," Prof S. M. Genkin, I. Gel'fon, N. Migina,
A. Rashevskaya, A. Shilova, Clinic, Inst of Labor Hygiene and Occupational Diseases,
Acad Med Sci USSR, 7 pp

"Klin Med" Vol XXII, No 10

Estimations of hemoglobin, leukocyte count, and differential count in silicosis without complications remain within normal limits. They do not undergo alterations corresponding to progress of the disease. In silico-tuberculosis, the percentage of cases with leukocytosis shift the differential count to left, lymphopenia and eosinopenia become more marked with transition from early to late stages. Erythrocyte sedimentation rate increases in both silico-tuberculosis and silicosis. Albumen content in serum is normal. Viscosity increases.

PA 31/49T27

RASHEVSKAYA, A.M.

SYRKINA, P.Ye; RASHEVSKAYA, A.M.

Dissociation curves of oxyhemoglobin in certain occupational diseases of the lung. Terap. arkh. 26 no.3:67-73 My-Je '54.

(MIRA 7:9)

1. Iz kafedry patologicheskoy fiziologii (zav. prof. A.M.Charnyy)
i kafedry professional'nykh bolezney (zav. prof. S.M.Genkin)
TSentral'nogo instituta usovershenstvovaniya vrachey.

(HEMOGLOBIN

*oxyhemoglobin, dissociation curves in occup. pulm. dis.)

(LUNGS, diseases,

*occup., oxyhemoglobin dissociation curves in)

(OCCUPATIONAL DISEASES,

*lung dis., oxyhemoglobin dissociation curves in)

DROGICHINA, E.A. (Moskva); MOROZOV, A.L. (Moskva); RASHEVSKAYA, A.M.
(Moskva)

Professional pathology in the U.S.S.R. Gig.truda i prof.zab. 1 no.5:
41-45 S-O '57. (MIRA 10:11)

1. Institut gigiyeny truda i profzabolevaniy AMN SSSR i Kafedra
profpatologii TSentral'nogo instituta usovershenstvovaniya vrachey
(OCCUPATIONAL DISEASES)

DROGICHINA, Esfir' Abramovna; RASHEVSKAYA, A.M., red.; ZUYEVA, N.K.,
tekhn.red.

[Toxic polyneuritis and encephalomyelitis] Toksicheskie poli-
nevriti i entsefalomielopolimevriti. Moskva, Gos.izd-vo med.
lit-ry, 1959. 251 p.

(MIRA 13:6)

(TOXICOLOGY) (NEURITIS) (ENCEPHALOMYELITIS)

DROGICHINA, E.A.; MAZUMINA, G.N.; ORLOVA, A.A.; RASHEVSKAYA, A.M.; SOLOV'YEVA,
Ie.A. (Moskva)

Clinical aspects of chronic intoxication in the production of
synthetic rubber (divinyl styrene, chloroprene). Gig.truda i
prof.zab. 3 no.3:10-14 My-Je '59. (MIREA 12:10)

1. Klinika Instituta gigiyeny truda i profzabolevaniy AMN SSSR.
(RUBBER, SYNTHETIC--TOXICOLOGY)

MOLOKANOV, Konstantin Pavlovich; TAGER, I.L., red.; RASHEVSKAYA,
A.M., red.; BUL'DYAYEV, N.A., tekhn. red.

[Roentgenology of occupational diseases and intoxications]
Rentgenologiya professional'nykh zabolеваний i intoksikatsii.
Moskva, Medgiz, 1961. 226 p. (MIRA 15:3)

1. Institut gigiyeny truda i profzabolevaniy Akademii medi-
tsinskikh nauk SSSR (for Molokanov).
(OCCUPATIONAL DISEASES) (DIAGNOSIS, RADIOSCOPIE)
(INDUSTRIAL TOXICOLOGY)

DROGICHINA, E.A.; RASHEVSKAYA, A.M.; YEVGENOVA, M.V.; ZORINA, L.A.; KOZLOV, L.A.; KUZNETSOVA, R.A.; RYZHKOVA, M.N.; SENKEVICH, N.A.; Sолов'YEVA, L.V. [deceased]; SHATALOV, N.N.; LETAVET, A.A., prof., red.; YEGOROV, Yu.L., red.; BUL'DYAYEV, N.A., tekhn. red.

[Manual on periodic medical examinations for industrial workers] Po-sobie po periodicheskim meditsinskym osmotram rabochikh promyshlenniykh predpriatii. By E.A. Drogichina i dr. Moskva, Medgiz, 1961.
287 p.

(INDUSTRIAL HYGIENE)

RASHEVSKAYA, A.M., prof.

When man is hot.... Zdorov'e 7 no.8:4-6 Ag '61. (MIRA 14:9)
(BODY TEMPERATURE--REGULATION)

MOLOKANOV, K.P.; MOROZOV, A.L.; RASHEVSKAYA, A.M.; KRUPUKHINA, Ye.P.;
ORLOVA, A.A.; STEPANOVA, V.I.; SHALYA, N.G.

Clinical, diagnostic, and therapeutic aspects of berylliosis.
Sov.med. 25 no.4:22-30 Ap '61. (MIRA 14:6)

1. Ist Institutu gigiyeny truda i profzabolevaniy (dir. - deystvitel'nyy
chlen AMN SSSR A.A.Letavet) AMN SSSR.
(BERYLLIUM—TOXICOLOGY)

RASHEVSKAYA, A.M.; ZORINA, L.A. (Moskva)

Bronchial asthma in workers of establishments producing antibiotics. Gig. truda i prof. zab. 6 no.5:28-33 My'62.
(MIRA 16:8)

1. Tsentral'nyy institut usovershenstvovaniya vrachey.
(ASTHMA) (ANTIBIOTICS)

LETAVET, A.A., prof., red.; ANTON'YEV, A.A., dots., red.; IROGICHINA,
E.A., prof., red.; KONCHALOVSKAYA, N.M., prof., red.;
PAVLOVA, I.V., doktor med. nauk, red.; POPOVA, T.B., kand.
med. nauk, red.; RABEN, A.S., doktor med. nauk, red.; RABEN,
A.S., doktor med. nauk, red.; RASHEVSKAYA, A.M., prof., red.;
SHATALOV, N.N., kand. med. nauk, red.

[Occupational diseases in the chemical industry] Professional'-
nye zabolevaniia v khimicheskoi promyshlennosti. Moskva,
Meditina, 1965. 322 p. (MIRA 18:12)

1. Deystvitel'nyy chlen AMN SSSR (for Letavet).

RASHEVSKAYA, A.M.; KOLOKANOV, Y.P.; ORLOVA, A.E.; SHATALOV, N.N.,
red.

[Berylliosis; clinical aspects, diagnosis, treatment, work
capacity expertise] Berillioz; klinika, diagnostika, leche-
nie, ekspertiza trudosposobnosti. Moskva, Meditsina, 1965.
(MIRA 18:7)
59 p.

KONCHALOVSKAYA, N.I.; RASHEVSKAYA, A.M.; SHATALOV, N.N. (Moskva)

State of the cardiovascular system under the effect of some
chemical and physical factors of an industrial environment.
Vest. AMN SSSR 20 no.6:19-24 '65. (MIRA 18:9)

RASHEVSKAYA, A.M., prof.; MOLOKANOV, K.P., prof.; SENKEVICH, N.A., dotsent;
ORLOVA, A.A., kand. med. nauk

Clinical picture of occupational pneumosclerosis. Sov. med. 23
no.4:33-38 Ap '64. (MIRA 17:12)

1. Institut gigiyeny truda i professional'nykh zabolеваний AMI
SSSR i kafedra profbolezney TSentral'nogo instituta usovershenst-
vovaniya vrachey, Moskva.

ANDREYEVA-GALANINA, Ye.TS., prof.; GENKIN, S.M., prof. [deceased];
GUS'KOVA, A.K., doktor med. nauk; DVIZHKOV, P.P., prof.;
DOLGOV, A.P., prof.; DROGICHINA, E.A., prof.; YEVGENOVA,
M.V., doktor med. nauk; KAPLAN, Yu.D., kand. med. nauk;
KOZLOV, L.A., st. nauchn. sotr.; LETAVET, A.A., prof.;
MARTSINKOVSKIY, B.I., prof. [deceased]; MOLOKANOV, K.P.,
prof.; RASHEVSKAYA, A.M., prof.; SOSNOVIK, I.Ya., prof.
[deceased]; SENKEVICH, N.A., dots.; EL'KIN, M.A., kand.
med. nauk; RAHEN, A.S., red.; SHATALOV, N.N., red.

[Occupational diseases; a manual for physicians] Profes-
sional'nye bolezni; rukovodstvo dlja vrachei. 2., dop.
izd. Moskva, Meditsina, 1964. 757 p. (MIRA 17:11)

1. Deystvitel'nyy chlen AMN SSSR (for Letavet).

L : 28419-66

ACC NR: AF6019081

SOURCE CODE: UR/0239/65/051/005/0593/0600

AUTHOR: Ivanov, K. P.; Rashevskaya, D. A.; Slepchuk, N. A.

ORG: Laboratory of Ecological Physiology, Institute of Physiology im. I. P. Pavlov, AN SSSR, Leningrad (Laboratoriya ekologicheskoy fiziologi Institutu fiziologii AN SSSR)

TITLE: Role of different skeletal muscles in chemical heat regulation 22 24

SOURCE: Fiziologicheskiy zhurnal SSSR, v. 51, no. 5, 1965, 593-600 8

TOPIC TAGS: mouse, rat, rabbit, dog, muscle physiology, electrophysiology, blood circulation

ABSTRACT: Electromyograms of the skeletal muscles of the head (temporal muscle), back, neck, and hind legs of mice, rats, rabbits, and dogs were taken - first at a temperature of the external air in which the animals were kept that approached the critical (i.e., in the thermoneutral zone, which is 19-23° for dogs and 26-30° for rabbits, rats, and mice) and then on cooling the animals by placing them in a chamber filled with colder air or submerging them in water at 16-18°. The electric activity of the muscles (shivering that indicated chemical activity accompanied by a release of heat) was more pronounced in the front part of the body and highest in the neck, followed by the head. The hind legs showed the least activity. Because of the shorter distance along major veins to the front part of the body, temperature regulation in this part is more economical from the standpoint of heat loss over the blood circulation path. The differences between thermal regulation in the front and back part of the body were less pronounced for small animals than for large animals. When mice were cooled to a sufficiently low temperature, all of their muscles participated in thermal regulation to an equal extent. Orig. art. has: 1 figure and 6 tables. [JPRS]

SUB CODE: 06/ SUBM DATE: 12Nov63/ ORIG REF: 004/ OTH REF: 001

Card 1/1 ✓

UDC: 612.745+612.53

RASHEVSKAYA, D.A.; YUNUSOV, S.

Changes in the blood sugar content of lambs during muscular activity and fatigue. Opyt isuch. reg. fiziol. funk. 6:
9-11 '63 (MIRA 17:3)

1. Laboratoriya ekologicheskoy fiziologii (zav. - prof. A.D. Slonim) Instituta fiziologii imeni I.P. Pavlova AN SSSR.

RASHEVSKAYA, D.A.

Effect of partial extirpation of the cerebral hemispheres on
the orienting reflexes during the stimulation of the olfactory
analyisor. Opyt izuch. reg. fiziol. funk. 6:153-158 '63
(MIRA 17:3)

1. Laboratoriya ekologicheskoy fiziologii (zav. - prof. A.D.
Slonim) Instituta fiziologii imeni Pavlova AN SSSR.

IVANOV, K.P.; RASHEVSKAYA, D.A.; SLEZHUK, N.N.

Role of various skeletal muscles in chemical thermoregulation.
Fiziol. zhur. 51 no.5:593-600 My '65. (MJFA 18:6)

I. Laboratoriya ekologicheskoy fiziologii Instituta fiziologii
imeni Pavlova AN SSSR, Leningrad.

RASHEVSKAYA, D.A.

Effect of orientation reflexes from the olfactory analyzer on gas exchange. Trudy Inst. fiziolog. 6:454-462 '57. (MIRA 11:4)

1. Laboratoriya ekologicheskoy fiziologii i Kafedra normal'noy fiziologii Leningradskogo meditsinskogo stomatologicheskogo instituta (zaveduyushchiy A.D. Slonim). (RESPIRATION) (SMELL)

~~Stimuli~~ ~~respiration~~

RASHEVSKAYA, D.A., Cand Med Sci -- (diss) " Inquiry into Study of
the orientation reflexes ~~and~~ ^{upon} and Gas Exchange Metabolism upon
~~excitation~~ of the olfactory Analysor." Len, 1958, 17pp
(Acad Sci USSR, Inst of Physiology im I.P. Pavlov),
100 copies (KL, 41-58, 122)

RASHEVSKAYA, I.M.

ROZANOV, A.N.; RASHEVSKAYA, I.M.

Studies on the chemical composition of light Sierozems and their various fractions. Trudy Pochv. inst. 29:161-178 '48. (MLRA 10:8)
(Golodnaya Steppe--Sierozem soils)

RASHEVSKAYA, I. M.

Rozanov, A. M. and Rashevskaya, I. M. "Results of a general and detailed study of the chemical composition of light microzems", Trudy Fizich. in-ta. in. Dzhurayeva, Vol. XXIX, 1948, p. 161-73, - Bibliog: 11 items.

1264

cep 03e MoBr

RASHEVSKAYA, I.M.

USSR.

Determining total sulfates in soils and the phenomenon of calcium carbonate coatings on gypsum. I. M. Rashevskaya. *Parasiten* 1954, No. 072-4. [REDACTED]
[REDACTED] etc., the total sulfates, as compared with a higher soil-water ratio (1:100), shows that while a high soil-water ratio excludes the total sulfates in many cases this is not possible. The cause of that is the coating of CaCO_3 on the gypsum which, in the case of 0.2*N* H_2S , is eliminated. It is shown that this coating can be removed with a hot 5% of 3 NH_4Cl . J. B. Joffe

RODE, A.A.; YARLOVA, Ye.A.; RASHEVSKAYA, I.M.

Genetic characteristics of the dark-colored soils of large
depressions. Pochvovedenie no.8:1-13 Ag '60.
(MIRA 13:8)

1. Pochvennyy institut im. V.V. Dokuchayeva Akademii nauk
SSSR.
(Soils)

S. T. RASHEVSKAYA

CH

Chlorine derivatives of naphthalene. I. V. Zilberman,
S. T. Rashevskaya and N. B. Matishova. J. Applied
Chem. [U.S.S.R.] 1963, 40 (in German 1963) (1963).
 α -CuCl was prep'd. by the Sandmeyer method (diametra-
tion at 10-15° and decompos. of the diam compd. at
not lower than 60°). The yield was 70-75% and the
product m. 22°, bp. 256.6° (cor.). β -CuCl was prep'd.
according to the Schmid method, and m. 37.6-7.8°,
bp. 256° (cor.). 1,4-CuCl₂ was obtained by the
Bratlievskaya method with the following modifications:
(1) the diam compd. was wpat. from the mother
liquor in a solid form, before it was decomposed;
(2) Cu salts were filtered after decompos., as Cu(OH)₂,
and (3) 1,4-CuCl₂ was prep'd. directly from CuCl₂
SO₄Na by treating with an excess of PCl₅, yielding 65-
70% of a product m. 68.6-7°. 1,6-CuCl₂ was synthe-
sized from 1,6-CuCl₂(SO₄)₂ by heating with PCl₅. The
tech. α -CuCl can be analyzed by the Bourdon method.
The middle fraction, obtained in the vacuum distn. of
mono-Cl derivs. prep'd. by direct chlorination in the
presence of SiCl₄, consisted mainly of mono-derivs. with
a very small admist. of CuCl₂ and di-Cl-derivs. (total less
than 1%); therefore, the detn. of the f. p. of this fraction
permitted the evalution of the ratio of α - and β -isomers
in the sample under consideration. The admist. of β -
CuCl₂ to the α -isomer in the amt. of 10% had no in-
fluence upon the m. p. of the latter. 1,4- and 1,6-CuCl₂
lowered the m. p. of α -CuCl₂. Six references.

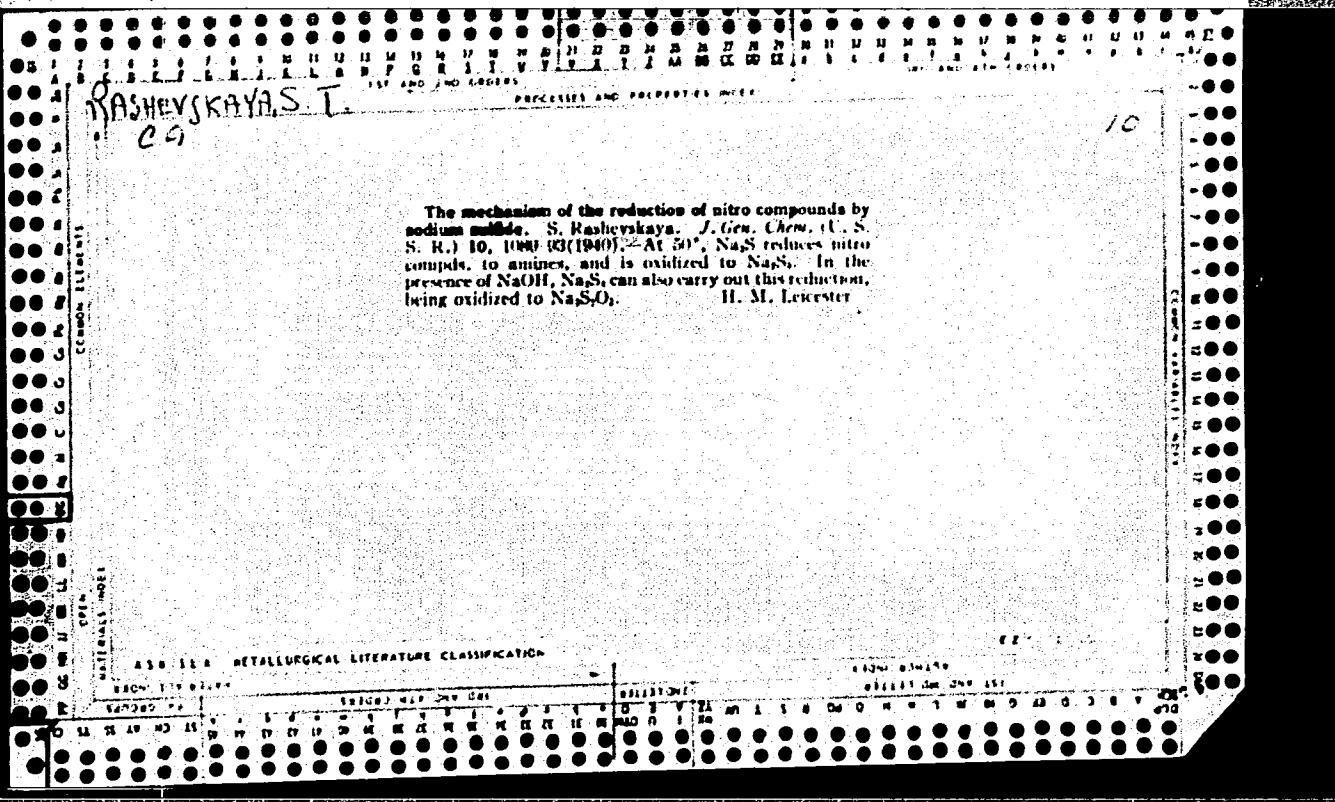
A. A. Podgorny

ALO-51A METALLURGICAL LITERATURE CLASSIFICATION

SEARCHED	INDEXED	FILED	SEARCHED AND INDEXED											
			1	2	3	4	5	6	7	8	9	10	11	12
M	D	A	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
O	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
T	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
E	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
R	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
S	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

RASHEVSKAYA, S.T.

The products of chlorination of phenol. S. T. Rashevskaya, G. B. Al'berman, A. D. Chernovskaya and Shovrikaya. J. Applied Chem. (U.S.S.R.) 10, 699 (1937) (in German (1937)). -- The m.p. of α -CIC₆H₄OH is not a criterion of its purity, because an admist. of PhOH has only slight influence on the m.p., but it can be detd. by its d₄, which is a linear function of the PhOH content. The binary mixts. PhOH-CIC₆H₄OH and C₆H₅OH-CIC₆H₄OH can be analyzed with sufficient accuracy by the gravimetric method. Under the conditions of interaction of PhOH, α - and β -CIC₆H₄OH and C₆H₅OH, react only partially. The detn. of (NO₂)₂CIC₆H₄OH in the mixt. with (NO₂)₂C₆H₅OH can be carried out by steam distg. of the former from a slightly acidic soln. The gravimetric method, proposed by Zabbarov (cf. C. A. 28, 4441) for the detn. of (NO₂)₂C₆H₅OH as a complex [Cu(H₂O)₄(NO₂)₂]OH gives good results. Analysis of the above complex disclosed the absence of 3 mols. of water of crystn. For the detn. of PhOH in the complex mixt. obtained as a result of chlorination, it is recommended to carry out the analysis by nitratng PhOH to Cu(PhO₂)₂(NO₂)₂ and analyzing it by the Zabbarov method, but the accuracy of this analysis decreases with an increase of PhOH content in the mixt. over 60%. A. A. P.



"APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001344

RASHEVSKAYA, S.T.; KASHCHEYEVA, Ye.S.; MOSTOSLAVSKAYA, E.I.

Formation of dinitro-substituted derivatives during nitration of
-phenyl ethyl alcohol. Zhur.cb.khim. 33 no.12:3998-4002 D '63.
(MIRA 17:3)

APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R0013442

28(0)

SOV/32-25-5-52/56

AUTHOR: Rashevskaya, S. T., Scientific Director

TITLE: Organization of the Work of the Central Laboratory of the Rubezhnoye Chemical Kombinat (Organizatsiya raboty tsentral'noy laboratori Rubezhanskogo khimicheskogo kombinata)

PERIODICAL: Zavodskaya Laboratoriya, 1959, Vol 25, Nr 5, pp 636 - 637 (USSR)

ABSTRACT: The Rubezhnoye Chemical Kombinat (RK) produces especially stable and productive vat dyes and specific complicated organic semiproducts. The next seven-year plan provides for a trebling of the existing assortment of the kombinat thus increasing the importance of the central laboratory. In accordance with the decision of the Komitet po khimii pri Sovete Ministrov SSSR (Committee of Chemistry of the Cabinet Council of the USSR Council of Ministers) the central laboratory of the (RK) is a basis of the nauchno-issledovatel'skiy institut organicheskikh poluproduktov i krasiteley (NIOPiK)(Scientific Research Institute of Organic Semiproducts and Dyes (NIOPiK)) for the investigation of vat dyes, dyes for synthetic fibres etc. In order to provide for a better specialization of the chemists several new departments

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Organization of the Work of the Central Laboratory SOV/32-25-5-52/56
of the Rubezhnoye Chemical Kombinat

were created in the central laboratory (Z); and the gas laboratory was incorporated in 1958. Thirty persons work in the department of vat dyes - 4 directors, 12 chemists, and 14 technicians. Nineteen persons work in the department of synthetic fiber dyes; their program includes the production of new types of dye. One of the most important tasks of the physico-chemical department is the exchange of chemical methods for faster physico-chemical methods of analysis. The department of synthetics (2 directors, 7 chemists, and 12 technicians) is consulted by the nauchno-issledovatel'skiy institut plast-mass (NIIPM) (Scientific Research Institute of Synthetics (NIIPM)) and other institutes. The supply of devices for physico-chemical analyses is difficult because they are distributed among research institutes and laboratories of universities. Within the number of problems to be solved with regard to the improvement of the importance of various central laboratories there is also the convocation of a Vsesoyuznoye soveshchaniye rabotnikov TsZL (All-Union Conference of the Workers of Central Laboratories (TsZL)) in analogy to the conference convened in

Card 2/3

Organization of the Work of the Central Laboratory SOV/32-25-5-52/56
of the Rubezhnoye Chemical Kombinat

Moscow 15 years ago. The problem regarding the salaries of these workers has to be solved because many persons with university education have moved to research institutes.

ASSOCIATION: Tsentral'naya laboratoriya Rubezhanskogo khimicheskogo kombinata (Central Laboratory of the Rubezhnoye Chemical Kombinat)

Card 3/3

RASHEVSKAYA, S.T.

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(MIRA 13:12)

(Lugansk--Chemistry, Technical)

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no.4:415-417 '65. (MIRA 18:12)

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Mendeleyeva i Rubezhanskiy khimicheskiy kombinat.

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[Hoisting hooks and hoisting blocks for drilling operations]
Buril'nye kriuki i kriukobloki. Baku, Azerbaidzhanskoe gos.
izd-vo, 1965. 164 p. (MIRA 18:10)

SULEYMANOV, A.B.; RASHEVSKAYA, T., red.

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GUSEYNOV, F.G.; VECKHAYZER, G.V., red.; RASHEVSKAYA, T., red.
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RUKHADZE, Grigori Romanovich; FUKS-RABINOVICH, I.I., red.;
RASHEVSKAYA, T.A., red.; NASIROV, N., tekhn. red.

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MUSTAFAYEV, M.M., kand. geologo-mineralog. nauk; CHERNOMORDIKOV, M.Z., red.;
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[History of the development of the Bibi-Eybat Field] Iz istorii raz-
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BURYAKOVSKIY, L.A.; SAMEDOV, F.I.; AKHMEDOV, A.M., red.; RASHEVSKAYA,
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red.

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casing columns] Raschet obsadnykh kolonn s uchetom soprotivle-
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(MIRA 15:9)

(Oil well casing)

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Elektrotermicheskie sposoby uvelicheniya nefteotdachi pla-
stov. Baku, Azerneshr, 1962. 174 p. (MIRA 15:11)

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(MIRA 17:4)

HELOTSEKOVSKIY, Leonid Panteleyevich; MANAPOV, Gulam ; RASHEVSKAYA,
T.A., red.; TOROSYAN, R., tekhn. red.

[Safety . measures in piperolling mills] Tekhnika bezopas-
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stvorov. Baku, Azerbaidzhanskoe gos.izd-vo, 1963. 139 p.
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[Petroleum production by the open method; based on a
study of the Kirmaku Oil Field] Dobycha naerti otkrytym
sposobom; na primere mestorozhdeniya Kirmaku. Nauk.
Azerneshr, 1981. 122 p. (MIRA 17:12)

RASHEVSKAYA, T.A.

L 58723-65 EWT(m)/EPF(c)/T Pr-4 WE
AM5015205 BOOK EXPLOITATION

S/

Ismailov, R. G.

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Industrial processing of petroleum and development of petroleum chemistry in the Azerbaiydzhan SSR (Promyshlennaya pererabotka nefti i razvitiye neftekhimii v Azerbaiydzhanskoy SSR) Baku, Azgiz, 1964. 385 p., illus., biblio. Added t.p. in Azerbaijani. 2000 copies printed. Editor: Sh. Sh. Spektor; Editor of the publishing house: T. A. Rashevskaya; Technical editor: B. Kurbanova; Proof-readers: L. Vnukova, N. Fidler.

TOPIC TAGS: chemical industry, lubricating oil, motor fuel, organic synthesis, petroleum, petroleum chemistry, petroleum processing

PURPOSE AND COVERAGE: This book was prepared for personnel in the petroleum-processing and -chemical industries, and may be used also by students in vuzes that prepare cadres for these industries. An attempt is made to show the significance of petroleum as a valuable raw material, not only for motor fuels and lubricating oils, but also for various types of chemical production. For the purposes of greatest utilization of the potential possibilities of Azerbaiydzhan's petroleum, both for oil and fuel purposes and for the production of various pro-

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8

ducts of organic synthesis (synthetic alcohols, rubbers, fibers, plastics, detergents, agricultural preparations, and others), the complex schemes for the petroleum-processing, petroleum-chemical, and chemical branches of industry are evaluated in the Azerbaijani economic region, with consideration of prospects for their further development. The author thanks V. S. Gutyrja, A. M. Kuliyev, M. A. Dalin, V. P. Sukhanov, R. Sh. Sverdlov, L. V. Ivanova, T. M. Ivanova, and M. M. Melik-zade for their assistance and recommendations.

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Card 3/3 d/p

ALIYEV, I. M. (Sergeant), 1st class, 1970, 1971
AZERBAIJANIAN ARMY, BAKU, AZERBAIJAN

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the Neftyanaya Kənd (village) area of the Lutatash region
of the Naxchivan Autonomous Republic, Azerbaijan SSR,
Baku, Azerbaijan, 1975. 23 p.] (RINA 18:10)

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Trudy VIZR no.20 pt.1:46-50 '64. (MIRA 18:10)

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V. P. Nilova and V. P. Rashevskaya. Trudy Vsesoyuz.

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"Effect of Catalase Activity on Wheat Resistance to Brown Rust (*Puccinia triticina*),"
Izvestiya Akademii Nauk SSSR, Seriya Biologicheskaya, no. 4, 1952, pp. 63-67 511 Sa2B
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SO: SIRA SI-90-53, 15 Dec. 1953

RASHEVSKAYA, V. F.

"Determination of Physiological Races of the Wheat Brown Leaf Rust (*Puccinia triticina*)," Itogi Nauchno-Issledovatel'skikh Rabot Vsesoiuznogo Instituta Zashchity Rastenii za 1932 Goda, 1936, pp. 485-487. 423.92 I54I

RASHEVSKAYA, V. F. and BARMENKOV, A. S.

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"Determination of the Physiological Races of *Puccinia triticina* Erikss. in the USSR
in 1935," *Zashchita Rastenii*, no. 10, 1936, pp. 5-20. 421 P942

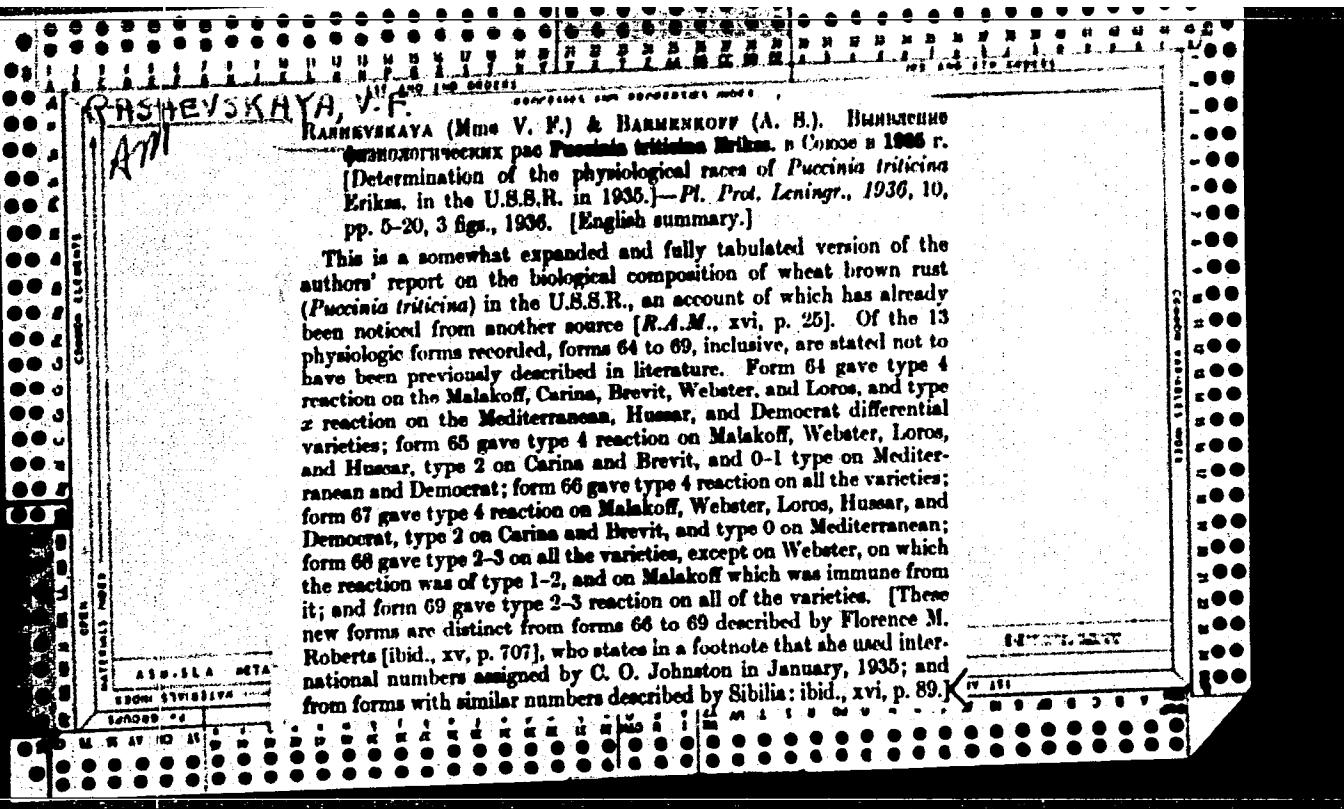
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✓A KRAHEVICH, L.F.

Oxidase 11-D

The effect of the state of catalase activity on resistance of wheat to infection with brown rust. V. P. Radchenko and V. P. Nibova. *Zvest. Akad. Nauk S.S.R., Ser. Biol.* 1982, No. 4, 63-7. - Parts of the plant in which catalase activity is supernormal show an increased rate of development of the parasite of brown rust; thus the nutrient medium is more favorable for the latter in such instances. Increase of catalase activity increases the susceptibility to attack. G. M. Knoblauch

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BIRKENGOF, N.L.; RASHEVSKAYA, Ye.P.; SUVOROV, N.F.

Vascular reflexes in neurasthenia and hysteria. Trudy Inst. fisiol.
3:369-376 '54. (MIRA 8:2)

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I.T.Kurtsin i Fizioterapevticheskaya bol'nitsa Severo-zapadnogo
vodzdravotdela, gl. vrach A.G.Krotov.

(NEURASTHENIA, physiology,
vasc. reflexes)

(HYSTERIA, physiology,
vasc. reflexes)

(REFLEX,
vasc., in hysteria & neurasthenia)

(BLOOD VESSELS, physiology,
vasc. reflex in hysteria & neurasthenia)

S/056/60/038/006/029/049/XT
B006/B070

24.4500

AUTHORS:

Malakhov, V. V., Rashevskaya, Ye. P., Faynberg, V. Ya.

TITLE:

Application of the Dispersion Technique for Studying the
Simplest Green Functions in Mesodynamics 19

PERIODICAL:

Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1960,
Vol. 38, No. 6, pp. 1803-1813

TEXT: A study is made of an approximate set of dispersion equations for meson and nucleon Green functions, and the vertex function in pseudoscalar charge-symmetrical mesodynamics. Analogous problems in electrodynamics were studied in Refs. 1-5. The object of such a study is to clarify the asymptotic behavior of the single-particle Green functions from which conclusions can be drawn on the character of renormalization in theory, and on the relationship between the dispersion relations and the Lagrangian in quantum-field theory. An analysis of the simplest approximation of the dispersion equations shows, however, that in the asymptotic region it is not possible to have an effective expansion

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Application of the Dispersion Technique
for Studying the Simplest Green Functions
in Mesodynamics

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parameter, even in the case of weak coupling, which would allow the contribution of the many-particle Green function to be estimated. In contrast to the approximate dispersion relations in the scattering problem where the matrix element on the energy surface with free ends ($p_i^2=m_i^2$) is considered, for the study of the contribution of higher approximations in the asymptotic region of the single-particle Green functions and the vertex function it is necessary to know the analytical properties of the matrix elements with virtual ends (p_i^2/m_i^2). Section 2 of the paper gives a derivation of approximate equations for the Green functions of the meson $\Delta(q^2)$, the nucleon $G(p)$, and the vertex function $F_1(p, p')$. The derivation is based on the analytical properties of this function and the unitarity conditions. The dispersion relations for $F_1(p, p')$ with respect to p^2 in the physical region ($p'^2=m^2$, $q^2=(p \cdot p')^2=\mu^2$) are verified. Section 3 gives a study of the system of approximate equations which lead to the solution of Gilbert's problem. The unique solution is obtained by means of the boundary condition

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Application of the Dispersion Techniques
for Studying the Simplest Green Functions
in Mesodynamics

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B006/B070

$$F(\mu^2) = F_1(m^2, \mu^2) + mF_2(m^2, \mu^2) = g \quad (g - \text{renormalized coupling constant})$$

and the requirement that, if the solution is expanded in a power series of the interaction constant (weak coupling), the expansion must coincide with the series obtained by perturbation theory. The asymptotic behavior of $F_i(p, p')$ with respect to p^2 and q^2 is determined for the case of weak coupling. The results obtained are briefly discussed in Section 4. Some mathematical supplements are given in Section 5. N. N. Bogoliubov, A. A. Logunov, and D. V. Shirkov are mentioned. There are 16 references: 8 Soviet, 5 US, and 3 Italian.

SUBMITTED: January 3, 1960

Card 3/3

10394

S/181/62/004/009/034/045
B104/B186

A4.700Cs

AUTHORS:

Rashevskaya, Ye. P., and Fistul', V. I.

TITLE:

Effective electron mass in germanium highly doped with arsenic

PERIODICAL: Fizika tverdogo tela; v. 4, no. 9, 1962, 2601 - 2603

TEXT: The dependence of the reflection coefficient of Ge of various arsenic concentrations on the wavelength of the incident light was determined with an MKC-12 (IKS-12) infrared spectrometer with MNC-12 (IPO-12) standard attachment for reflection measurements. The coefficient was obtained by comparing the reflection from the specimen with that from an aluminized glass plate (Fig. 1). The effective mass m^* was determined from the relation

$$\sqrt{\epsilon_0 - n^2 + k^2} = \sqrt{\frac{Ne^2}{m^* n c^2}} \lambda. \quad (1),$$

where λ is the wavelength of the incident light, ϵ_0 the dielectric constant of pure Ge, N the impurity concentration, n and k are the real and imaginary parts of the refractive index for which reflectivity

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B104/B186

Effective electron mass...

$R = ((n-1)^2 + k^2) / ((n+1)^2 + k^2)$ (2). In the left-hand section of the curves shown in Fig. 1, the condition $k^2 \ll n^2$ is fulfilled. In this section the values of $\sqrt{\epsilon_0 - n^2}$ obtained with the aid of (2) are linearly dependent on λ . The effective electron mass was determined from the slope of this straight line and from (1) (Fig. 2). There are 2 figures.

ASSOCIATION: Gosudarstvenny nauchno-issledovatel'skiy i proyektnyy institut redkometallicheskoy promyshlennosti AN SSSR, Moskva (State Design and Planning Scientific Research Institute of the Rare Metals Industry AS USSR, Moscow)

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Fig. 1. R versus wavelength for various arsenic concentrations in Ge.
Legend: (4) $N = 3.6 \cdot 10^{19}$; (3) $3.2 \cdot 10^{19}$; (2) $2.5 \cdot 10^{19}$; (30) $1.9 \cdot 10^{19}$;
(274) $1.8 \cdot 10^{19}$; (6) $1.5 \cdot 10^{19}$; (1) $1.3 \cdot 10^{19}$; (237) $1.2 \cdot 10^{19}$; (9) $8.3 \cdot 10^{18}$;
(11) $4.5 \cdot 10^{18}$.

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L 9575-66 EWT(1)/EWT(m)/ETC/EPF(n)-2/EWG(m)/T/EWP(t)/EWP(b) IJP(a) ID/AT
ACC NR: AP5027444 SOURCE CODE: UR/0181/65/007/011/3448/3450

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TITLE: Investigation of the infrared absorption spectrum of n-type gallium arsenide

SOURCE: Fizika tverdogo tela, v. 7, no. 11, 1965, 3448-3450 27 27

TOPIC TAGS: gallium arsenide, IR spectrum, semiconductor band structure

ABSTRACT: GaAs is doped with tellurium to study the effect which this has on its infrared absorption and reflection and data are obtained on the band structure and effective mass of electrons. Curves are given for the coefficient of absorption as a function of wavelength at room temperature for specimens with various carrier concentrations. These curves show the following common characteristics: 1) a sharp increase in the coefficient of absorption with a reduction in wavelength between 0.9 and 1.5 μ ; 2) a smooth increase in absorption with wavelength above 4 μ ; 3) a plateau between 1.5 and 4 μ . Theoretical explanations are given for these effects. The Spitzer-Fan method was used to calculate the masses of electrons at the absolute minimum in the conduction band on the basis of the data obtained in this work. The re-

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Card 2/2

L 9575-66

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sults are tabulated. The effective mass increases with impurity concentration. Orig.
art. has: 2 figures, 2 tables, 1 formula.

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Card 2/2

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TITLE: Effective mass of electrons in gallium arsenide

SOURCE: Fizika tverdogo tela, v. 8, no. 10, 1966, 3135-3138

TOPIC TAGS: gallium arsenide, effective mass, ir spectrum, carrier density, light
reflection coefficient, conduction band, thermal emf, electron scattering

ABSTRACT: This is a continuation of earlier work on the effective mass of the
electrons in GaAs (FTT v. 7, 3488, 1965). The present paper reports on a systematic
investigation of the dependence of the optical or inertial effective mass of the
electrons on their concentration by means of infrared reflection spectra. The samples
were n-type GaAs single crystal doped with S, Se, and Te. The measurements were made
with an IKS-12 spectrometer at room temperature. The optic effective mass as a
function of the carrier density ($2.1 \times 10^{18} - 1.23 \times 10^{19} \text{ cm}^{-3}$) was determined from
the reflection-coefficient curves by a standard procedure. The effective mass increased

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